S-20
* STAIR CASE

NO. 1

SSEMBLE STEP BY USING PARTS
8,M9,AND M10 THROUGH M17
OU SHOULD HAVE 8 STEPS.
ACH STEP IS ASSEMBLED THE
ME WAY. (SHOWN AS DRAWING 1)

SSEMBLE CAM SHAFT USING 8
S OF M5 AND 7 7/8"WIRE RAIL
E SHOWN IN DRAWING 2.

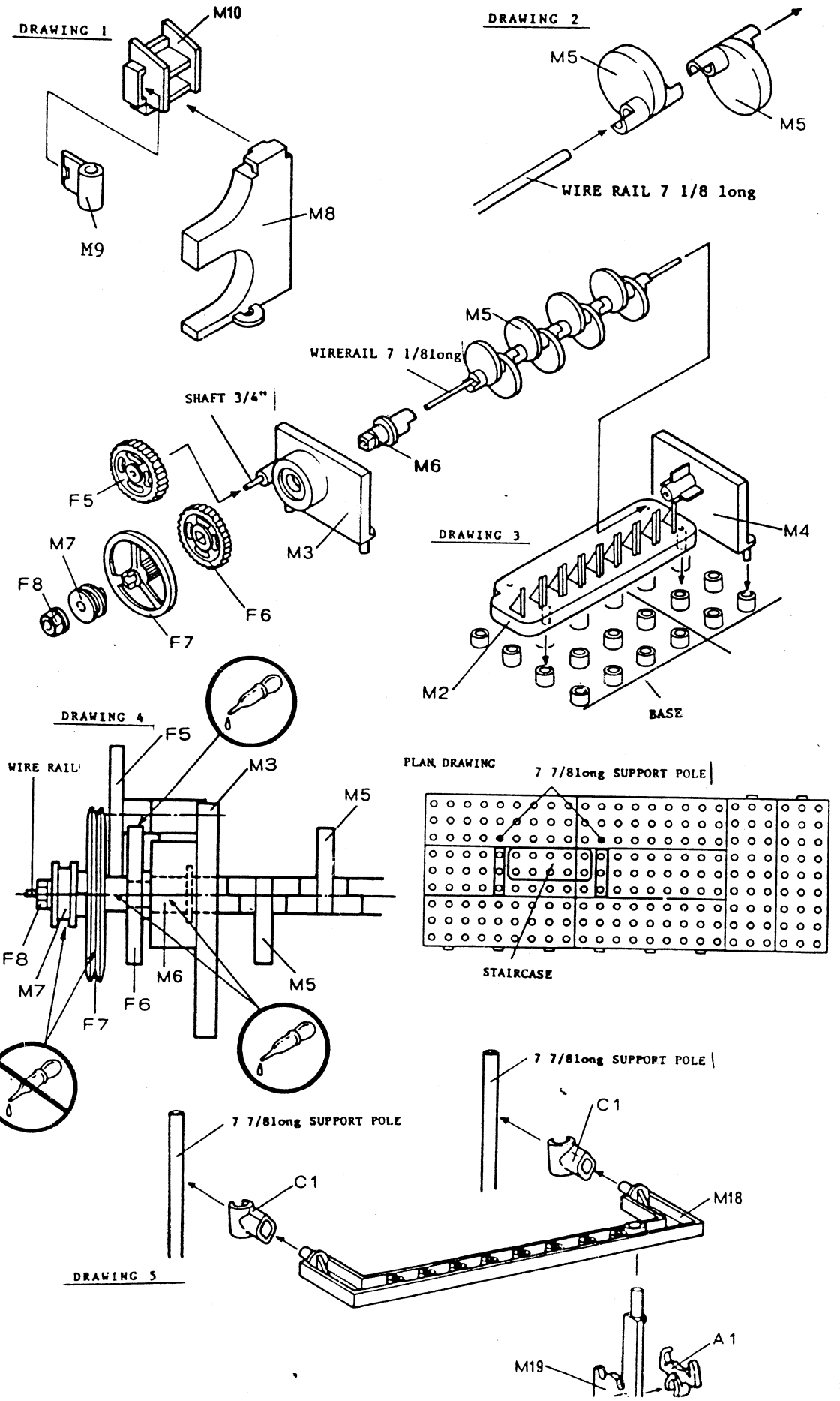
SSEMBLE THE GEARS AND THE
SHAFT AS SHOWN IN DRAWING
. AT THE SAME TIME YOU MUST
TACH THE STAIRCASE BASE
2) AND CAMSHAFT RECEIVERS
3,M4) TO THE BASE.

IL THE SECTIONS MARKED
THE DROPPED.

KE A SMALL HOLE AT THE
D OF THE DROPPER WITH A
N OR NEEDLE.)

'T PUT OIL ON RUBBER BANDS!

NSERT THE 2 7 7/8"LONG
UPPORT POLES AS SHOWN IN
HE PLAN DRAWING.
TTACH M19 TO M18 AND THEN
18 TO THE SUPPORT POLES.

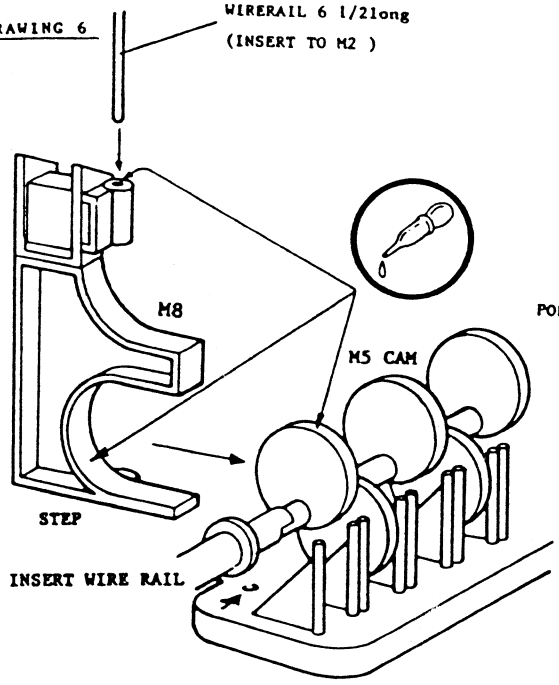


SLIP THE STEP(M8) OVER THE (M5) AND INSERT A 6 1/2 RAIL THROUGH M18 THEN OUGH THE STEP AND INTO STAIRCASE BASE (M2).

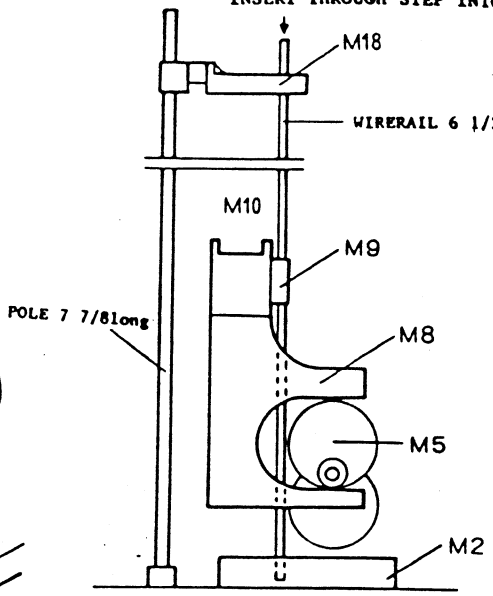
ANGE THE STEPS FROM SMALLEST TO GEST.THE SMALLEST STEP SHOULD ADJECENT TO THE GEARS.

AN YOUR COURSE SO THE BALL LL ENTER THE STAIRCASE AT E BOTTOM AND EXIT AT THE P AS SHOWN IN THE DRAWING 8.

DRAWING 6

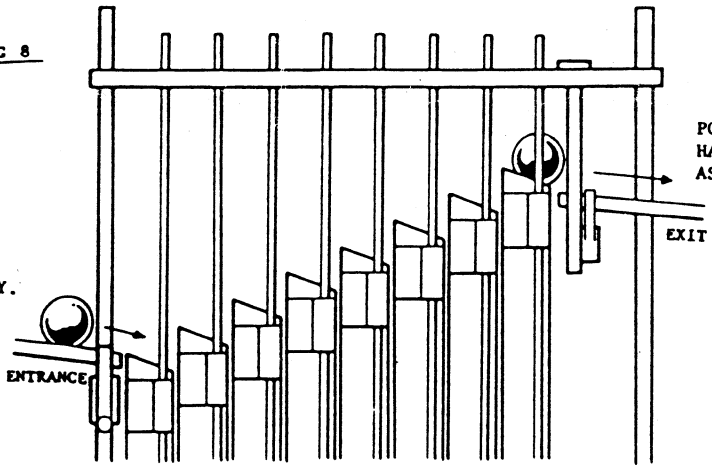


DRAWING 7



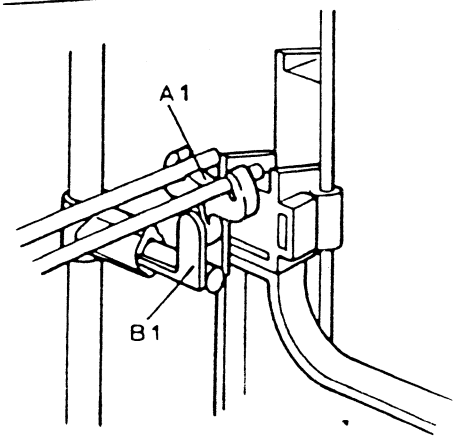
SIDE VIEW

DRAWING 8



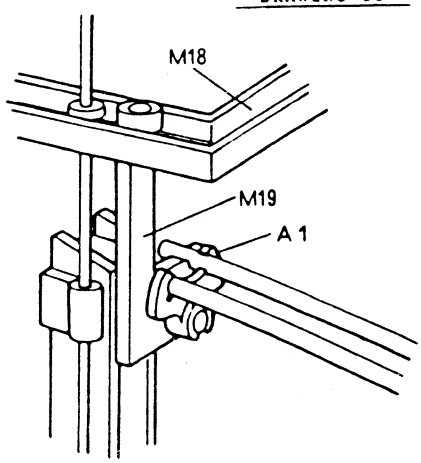
POSITION THE ENTRANCE RAIL SO THAT THE BALL WILL ROLL ONTO THE FIRST STEP SMOOTHLY. (THE STEP SHOULD BE IN ITS LOWEST POSITION WHEN THE BALL ENTERS.)

DRAWING 9



STAIR ENTRANCE

DRAWING 10



* ARRANGE THE ELEVATOR, MOTOR AND STAIRCASE.

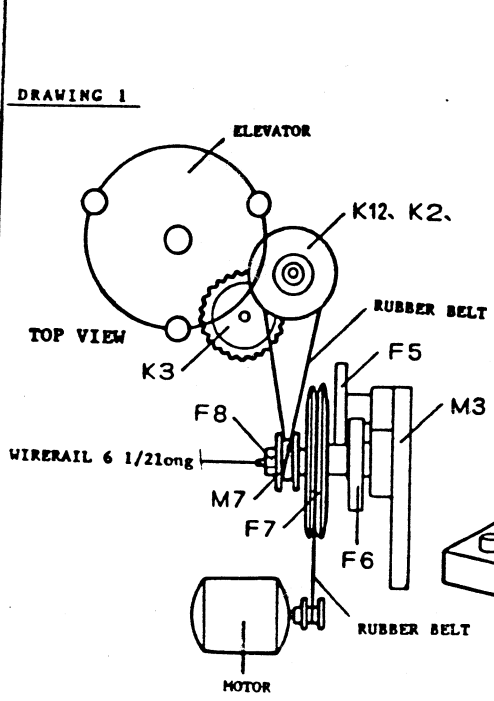
8) THE ELEVATOR AND THE STAIRCASE CAN BE DRIVEN BY THE SAME MOTOR.
(WE RECOMMEND YOU USE ONE MOTOR FOR THE ELEVATOR
AND ONE FOR THE STAIRCASE.)

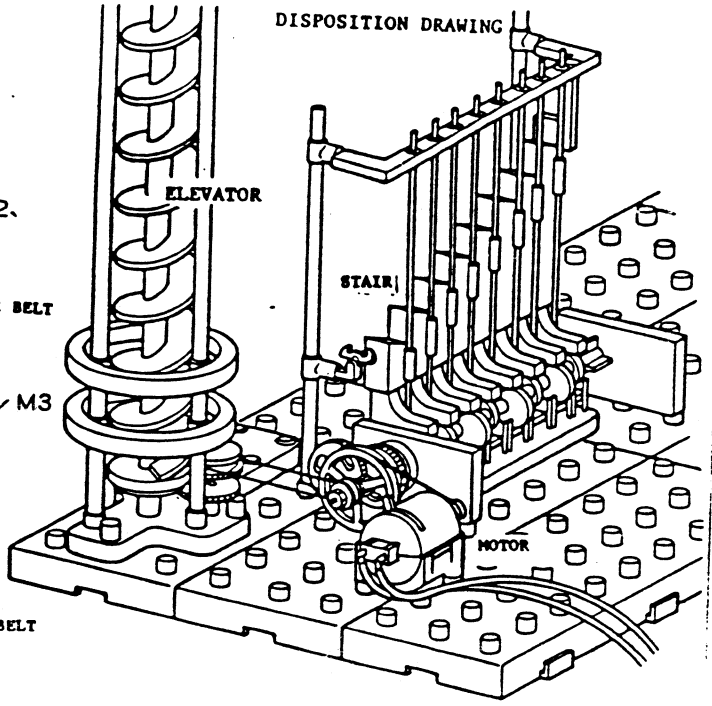
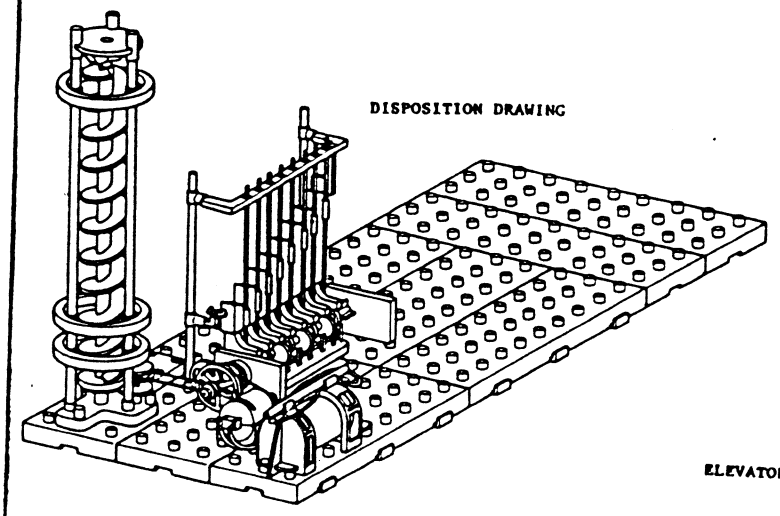
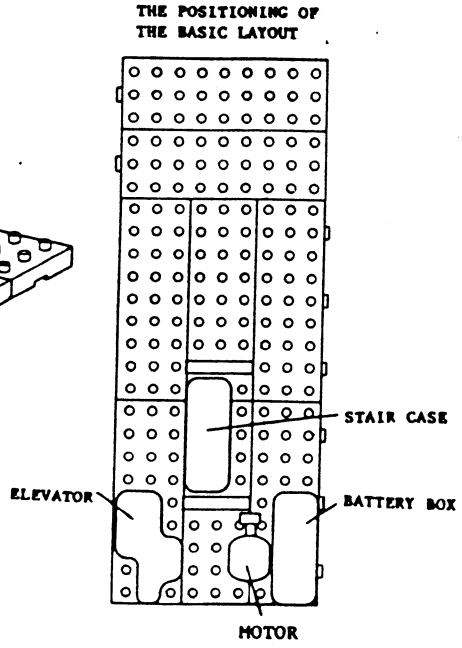
CONNECT THE RUBBER BANDS AS SHOWN IN DRAWING 1.

9) IF YOU ARE GOING TO BUILD THE BASIC LAYOUT REFER TO DRAWING 2.

NOTE: DON'T PUT OIL ON RUBBER BANDS!

DRAWING 1





DRAWING 2